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## Patent Abstracts of Japan

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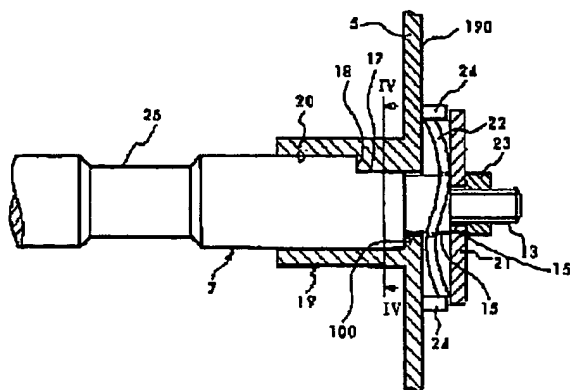
APPLICATION DATE : 26-08-93  
APPLICATION NUMBER : 05211253

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TITLE : DAMPING DEVICE FOR OUTDOOR EQUIPMENT



ABSTRACT : PURPOSE: To reduce vibration noise by mounting a fan which constitutes an air supply and air suction means to a shaft of a drive motor by way of an elastic member which presses the fan in its axial direction and an adjustment device which changes and adjusts a pushing force.

CONSTITUTION: A sheet body 21 presses a corrugated spring 22 in the direction of a motor by changing and adjusting a pressing force of the corrugated spring by screwing into a threaded part of a nut 23. The sheet body 21 is unable to move up to an end face 150 of a small-sized portion 15 where it is fixed with a motor shaft 7, which makes it possible to set a clearance dimension required to add a specified pressing force to the corrugated spring 22. As a result, a socket unit 19 of a fan 5 is pressed by an offset surface 10 of the motor shaft 7 so that the fan 5 may be elastically mounted to the motor shaft 7, thereby minimizing the stiffness of a twisted spring of the motor shaft 7. This construction makes it possible to absorb electromagnetic vibration from the motor and reduce the vibration.

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